

STATEMENT OF BASIS (AI No. 12991)

for draft Louisiana Pollutant Discharge Elimination System permit No. LA0089648 to discharge to waters of the State of Louisiana.

THE APPLICANT IS: LeBeouf Bros. Towing, LLC d/b/a Bourg Dry Dock & Service Company
Post Office Box 9036
Houma, Louisiana 70361

ISSUING OFFICE: Louisiana Department of Environmental Quality (LDEQ)
Office of Environmental Services
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

PREPARED BY: Christy Clark

DATE PREPARED: May 5, 2010

1. PERMIT STATUS

A. Reason For Permit Action:

Permit reissuance of an expired Louisiana Pollutant Discharge Elimination System (LPDES) permit for a 5-year term.

B. NPDES permit – NPDES permit effective date: N/A
NPDES permit expiration date: N/A
EPA has not retained enforcement authority.

C. LPDES permits – LPDES permit effective date: May 1, 2003
LPDES permit expiration date: April 30, 2008

D. Date Application Received: October 16, 2009. Additional information received by phone on March 12, 2010; March 18, 2010; and March 23, 2010. Additional information received by email on March 18, 2010.

2. FACILITY INFORMATION

A. LOCATION - 136 Dry Dock Road, Bourg - 49 mile marker of the Intracoastal Waterway West, Lafourche Parish (Latitude 29 34' 38.1", Longitude 90 35' 70.8")

B. FACILITY TYPE/ACTIVITY – Vessel cleaning, repair, and fabrication

According to the application, Bourg Dry Dock & Service Company is an existing vessel cleaning, repair, and fabrication facility. The facility cleans tank barges, dry cargo barges, vessel bilges, fuel tanks, and petroleum storage tanks and also accepts wastewaters from barges if deemed acceptable.

Wastewaters from the barge are pumped out and sent to wastewater storage tanks. The wastewater is then sent to the oil/water separator. Collected oil is stored in tanks, recovered, recycled, and sold to market. Wastewater is sent to a sequence batch reactor (SBR) for further treatment.

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The interior surfaces of barges are cleaned with high-pressure water. The commodities cleaned from barges include: #6 oil, fuel oil, diesel fuel, lube oil, light cycle oil, intermediate oil, feed stock, non-leaded gasoline, kerosene, condensate, MTBE, crude oil, petroleum naptha, jet fuel, asphalt, methanol, carbon black, ammonia nitrate, used oil, and slop oils. The washwater is stored in wastewater storage tanks until it is sent to the oil/water separator. Collected oil is stored in tanks, recovered, recycled, and sold to market. Wastewater is sent to a sequence batch reactor (SBR) for further treatment. The water is treated and discharged in batches pending results of analytical testing.

Sandblasting is done in designated areas.

- C. Technology Basis - (40 CFR Chapter 1, Subchapter N/Parts 401, 405-415, and 417-471 have been adopted by reference at LAC 33:IX.4903)

Guideline

The Centralized Waste Treatment Point
Source Category*

Transportation Equipment Cleaning
Point Source Category*

Reference

40 CFR 437, Subpart B, Oils Treatment
and Recovery (40 CFR 437.21)

40 CFR 442, Subpart C, Tank Barges
and Ocean/Sea Tankers Transporting
Chemical and Petroleum Cargos
(40 CFR 442.31)

*Bourg Dry Dock & Service Company accepts wastewaters from barges and cleans vessels containing petroleum cargos. Since the wastewater from barges and the vessel washwater are commingled prior to discharge, both guidelines are applicable and it is appropriate to use the most stringent limitation from each guideline.

Other sources of technology based limits:

LDEQ Stormwater Guidance, letter dated 6/17/87, from J. Dale Givens (LDEQ) to Myron Knudson (EPA Region 6)

LPDES Multi-Sector General Permit For Stormwater Discharges Associated With Industrial Activities (LAR050000), effective May 1, 2006

LPDES Class I Sanitary Discharge General Permit (LAG530000), effective December 1, 2007

LPDES permit for Marmac, L.L.C., Belle Chasse Repair Yard (LA0108944, AI 42404), effective October 1, 2009

Best Professional Judgment

Current LPDES permit (effective May 1, 2003)

D. FEE RATE

1. Fee Rating Facility Type: minor
2. Complexity Type: III (per the Interim Strategy for Complexity Designation Determination for SIC codes 3731 and 3732)
3. Wastewater Type: II
4. SIC code: 3731 and 4491

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3. **OUTFALL INFORMATION**

Outfall 001

Discharge Type: the batch discharge of treated petroleum product barge and boat washwater, rainwater from oil and oil product containment chambers, and wastewater from oil/water separators
Treatment: oil/water separator, sequence batch reactor
Location: at the point of discharge from the treatment facility prior to combining with other waters (Latitude 29 34' 60.6", Longitude 90 35' 60.4")
Flow: batch (Max 119,959 gpd)
Discharge Route: pipe thence to the Intracoastal Waterway

Outfall 002

Discharge Type: the intermittent discharge of vacuum pump seal water and boiler blowdown
Treatment: oil/water separator
Location: at the point of discharge from the tank prior to combining with other waters (Latitude 29 34' 58.7", Longitude 90 35' 62.7")
Flow: intermittent, 5,226 gpd
Discharge Route: pipe thence to the Intracoastal Waterway

Outfall 003

Discharge Type: the intermittent discharge of stormwater runoff from the north/northeast side of the site and treated sanitary wastewater from Internal Outfall 010
Treatment: none
Location: at the point of discharge from the pump station at the Intracoastal Waterway prior to combining with other waters (Latitude 29 34' 60.9", Longitude 90 35' 53.2")
Flow: intermittent
Discharge Route: discharge pipes thence to the Intracoastal Waterway

Outfall 004

Discharge Type: the intermittent discharge of stormwater runoff from the southeast corner of the facility and treated sanitary wastewater from Internal Outfalls 008, 009, 012, 013, and 016
Treatment: none
Location: at the point of discharge from the pump station prior to combining with other waters (Latitude 29 34' 37.5", Longitude 90 35' 63.0")
Flow: intermittent
Discharge Route: discharge pipes, thence to Company Canal, thence to the Intracoastal Waterway

Internal Outfall 008

Discharge Type: the intermittent discharge of treated sanitary wastewater from the south fabrication shop
Treatment: sanitary treatment package unit
Location: at the point of discharge from the sanitary treatment unit prior to combining with other waters (Latitude 29 34' 59.0", Longitude 90 35' 52.6")
Flow: intermittent, 4,000 gpd
Discharge Route: combines with the effluent from Outfall 004, thence to discharge pipes, thence to Company Canal, thence to the Intracoastal Waterway

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Internal Outfall 009

Discharge Type: the intermittent discharge of treated sanitary wastewater from the safety building
Treatment: sanitary treatment package unit
Location: at the point of discharge from the sanitary treatment unit prior to combining with other waters (Latitude 29 34' 61.9", Longitude 90 35' 48.3")
Flow: intermittent, 80 gpd
Discharge Route: combines with the effluent from Outfall 004, thence to discharge pipes, thence to Company Canal, thence to the Intracoastal Waterway

Internal Outfall 010

Discharge Type: the intermittent discharge of treated sanitary wastewater from the north fabrication shop
Treatment: sanitary treatment package unit
Location: at the point of discharge from the sanitary treatment unit prior to combining with other waters (Latitude 29 34' 50.1", Longitude 90 35' 58.4")
Flow: intermittent, 1, 000 gpd
Discharge Route: combines with the effluent from Outfall 003, thence to discharge pipes thence to the Intracoastal Waterway

Outfall 011A

Discharge Type: the intermittent discharge of incoming ballast water and void water
Treatment: none
Location: at the point of discharge from the vessel prior to combining with other waters (Latitude 29 34' 28", Longitude 90 35' 33")
Flow: intermittent
Discharge Route: discharge pipes, thence to Company Canal, thence to the Intracoastal Waterway

Outfall 011B

Discharge Type: the intermittent discharge of facility ballast water, dry dock ballast water, and void water
Treatment: none
Location: at the point of discharge from the vessel/dry dock prior to combining with other waters (Latitude 29 34' 29", Longitude 90 35' 31")
Flow: intermittent
Discharge Route: discharge pipes, thence to Company Canal, thence to the Intracoastal Waterway

Internal Outfall 012

Discharge Type: the intermittent discharge of treated sanitary wastewater from the LBT office
Treatment: sanitary treatment package unit
Location: at the point of discharge from the sanitary treatment unit near the LBT office prior to combining with other waters (Latitude 29 34' 23", Longitude 90 35' 40")
Flow: intermittent, 400 gpd
Discharge Route: combines with the effluent from Outfall 004, thence to discharge pipes, thence to Company Canal, thence to the Intracoastal Waterway

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Internal Outfall 013

Discharge Type: the intermittent discharge of treated sanitary wastewater from the LBT office

Treatment: sanitary treatment package unit

Location: at the point of discharge from the sanitary treatment unit near the LBT office prior to combining with other waters (Latitude 29 34' 22", Longitude 90 35' 38")

Flow: intermittent, 400 gpd

Discharge Route: combines with the effluent from Outfall 004, thence to discharge pipes, thence to Company Canal, thence to the Intracoastal Waterway

Outfall 014

Discharge Type: the intermittent discharge of treated sanitary wastewater from the gas free shop

Treatment: sanitary package treatment unit

Location: at the point of discharge from the effluent pipe near the gas free shop prior to combining with other waters (Latitude 29 34' 34", Longitude 90 35' 39")

Flow: intermittent, 120 gpd

Discharge Route: discharge pipes thence to the Intracoastal Waterway

Outfall 015

Discharge Type: the intermittent discharge of stormwater from the northwest corner of the property

Treatment: none

Location: at the point of discharge from the northwest corner of the property prior to combining with other waters (Latitude 29 34' 34", Longitude 90 35' 46")

Flow: intermittent, 7,300 gpd

Discharge Route: discharge pipes thence to the Intracoastal Waterway

Internal Outfall 016

Discharge Type: the intermittent discharge of treated sanitary wastewater from the guard shack

Treatment: sanitary package treatment unit

Location: at the point of discharge from the sanitary treatment unit near the guard shack prior to combining with other waters (Latitude 29 34' 23", Longitude 90 35' 42")

Flow: intermittent, 40 gpd

Discharge Route: combines with the effluent from Outfall 004, thence to discharge pipes, thence to Company Canal, thence to the Intracoastal Waterway

4. RECEIVING WATERS

STREAM – Company Canal thence into the Intracoastal Waterway

BASIN AND SUBSEGMENT - Terrebonne Basin, Subsegment No. 120304

DESIGNATED USES -

- a. primary contact recreation
- b. secondary contact recreation
- c. propagation of fish and wildlife
- d. drinking water supply
- e. agriculture

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5. TMDL STATUS

Subsegment No. 120304, Intracoastal Waterway, is not listed on LDEQ's Final 2006 303(d) list as impaired. However, subsegment no. 120304 was previously listed as impaired for dissolved oxygen and nutrients, for which the below TMDLs have been developed. The Department of Environmental Quality reserves the right to impose more stringent discharge limitations and/or additional restrictions in the future to maintain the water quality integrity and the designated uses of the receiving water bodies based upon additional TMDLs and/or water quality studies. The DEQ also reserves the right to modify or revoke and reissue this permit based upon any changes to established TMDLs for this discharge, or to accommodate for pollutant trading provisions in approved TMDL watersheds as necessary to achieve compliance with water quality standards.

The following TMDLs have been established for subsegment no. 120304:

TMDLs for Dissolved Oxygen and Nutrients in Selected Subsegments in the Middle Terrebonne Basin, Louisiana (120202, 120204, 120304, 120403, 120604) (Finalized on April 2, 2008)

Dissolved Oxygen

In the TMDL, currently permitted outfalls 008, 009, and 010 were identified as point source dischargers and were assigned a WLA for BOD₅. The WLA assigned for BOD₅ is consistent with the daily maximum limitation established in the current permit. Also, the TMDL states, "Reductions from point source discharges are not required as a result of this TMDL." Therefore, permit limitations for BOD₅ will not be changed.

The TMDL did not assign WLAs for the discharges from Outfalls 001, 002, 003, and 004 and it has been determined that these discharges will not cause further impairment to the waterbody; therefore, no additional limitations will be established at these outfalls.

Internal Outfalls 012, 013, and 016 and Outfall 014 are newly established outfalls. A portion of the margin of safety (MOS) for the BOD₅ parameter is proposed for use by Bourg Dry Dock & Service Company. Based on a treated sanitary wastewater flow of 0.000960 million gallons per day (MGD), 0.360 lbs/day of BOD₅ should be discharged from the newly established outfalls.

Calculations for Margin of Safety:

Outfall 012 – 400 gpd

Outfall 013 – 400 gpd

Outfall 014 – 120 gpd

Outfall 016 – 40 gpd

Total Flow – 960 gpd or 0.00096 MGD

BOD₅ Daily Maximum = (45 mg/L) X (0.00096 MGD) X (8.34) = 0.360 lbs/day

Nutrients

In the TMDL, internal outfalls 008, 009, and 010 were identified as point source dischargers and given WLAs for ammonia and organic nitrogen. However, if LDEQ determines there is no reasonable potential for a discharger to exceed the ammonia or organic nitrogen WLAs, then a permit may omit these parameters and still comply with this TMDL. Internal Outfalls 012, 013, 016, and Outfall 014 are newly established outfalls that discharge treated sanitary wastewater. BOD₅ will be limited at 30 mg/L monthly average and 45 mg/L daily maximum for internal outfalls

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008, 009, 010, 012, 013, 016, and outfall 014. Therefore, ammonia and organic nitrogen will not be limited in this permit. LDEQ's position regarding water quality criteria for nutrients, is that when oxygen-demanding substances are controlled and limited in order to ensure that the dissolved oxygen criterion is supported, nutrients are also controlled and limited. See In The Matter of Sierra Club and Louisiana Environmental Network Request for Nutrient Limits. Docket No. AHD-DR-96001. LDEQ April 29, 1996. LAC 33:IX.2707.D.1.f.iii allows the establishment of effluent limitations based on an indicator parameter for the pollutant of concern. LDEQ's consistent approach to controlling nutrients where the WQMP does not otherwise require specific nutrient limitations is achieved by limiting the discharge of oxygen-demanding substances through BOD₅ and COD limitations. Compliance with the BOD₅ and COD limitations as indicator parameters will result in the control of nutrients from the discharge sufficient to attain and maintain the applicable water quality standard. Effluent monitoring of the indicator parameters as conducted by the permittee in accordance with the permit in addition to LDEQ's ambient water quality monitoring program will allow for further evaluation by the Department to determine the effectiveness of the limitation. The reopener clause located in Part II of the permit allows the Department to modify or revoke and reissue the permit if the limitations as set on the indicator parameter are shown to no longer attain and maintain applicable water quality standards.

6. CHANGES FROM PREVIOUS PERMIT

- A. Outfall 001 - Bourg Dry Dock & Service Company accepts wastewaters from vessels and washes vessels that contain petroleum products; therefore, 40 CFR 437, Subpart B, Oils Treatment and Recovery (40 CFR 437.21) and 40 CFR 442, Subpart C, Tank Barges and Ocean/Sea Tankers Transporting Chemical and Petroleum Cargos (40 CFR 442.31) are applicable. The most stringent limitations from each guideline have been applied.
- B. Outfalls 005, 006, and 007 (steam jet educator startup overflow) are discontinued and have been deleted.
- C. Several Outfalls have been re-designated to Internal Outfalls. Please see the table below for the old outfall name and its new designation

| Re-designation of Outfalls | | |
|----------------------------|-----------------------------|----------------------|
| Old Outfall Number | Description | New Outfall Number |
| Outfall 008 | Treated sanitary wastewater | Internal Outfall 008 |
| Outfall 009 | Treated sanitary wastewater | Internal Outfall 009 |
| Outfall 010 | Treated sanitary wastewater | Internal Outfall 010 |

*Outfalls 008 and 009 are now internal to Outfall 004 and Outfall 010 is now internal to Outfall 003

- D. Internal Outfalls 008, 009, and 010 - The statistical basis has been changed to a daily maximum in lieu of a weekly average for all parameters at this Outfall. This change has been made to be consistent with the new LDEQ guidance for sanitary wastewaters. Monthly average limitations for BOD₅, TSS, and Fecal Coliform have been established in accordance with the Class I Sanitary Discharge General Permit (LAG530000), Schedule B.
- E. Internal Outfalls 008 and 009 - Since these outfalls are now internal to Outfall 004, the pH requirement has been removed. pH will be monitored at Outfall 004.

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- F. Internal Outfall 010 – Since this outfall is now internal to Outfall 003, the pH requirement has been removed. pH will be monitored at Outfall 003.
- E. Internal Outfalls 012, 013, 016, and Outfall 014 – Newly established treated sanitary wastewater outfalls. Limitations and monitoring requirements have been established based upon the Class I Sanitary Discharge General Permit (LAG530000), Schedule B and the *TMDLs for Dissolved Oxygen and Nutrients in Selected Subsegments in the Middle Terrebonne Basin, Louisiana (120202, 120204, 120304, 120403, 120604)*.
- F. Outfall 011A – the description has been changed from “the intermittent discharge of incoming ballast water from customer barges” to “the intermittent discharge of incoming ballast water and void water.”
- G. Outfall 011B - the description has been changed from “the discharge of maintenance ballast and/or void tank water from work barges” to “the intermittent discharge of facility ballast, dry dock ballast water, and void water.” The monitoring frequency for Flow has been changed from 1/month to 1/event. The monitoring frequency for COD and Oil & Grease has been changed from 1/month when sampling is required to 1/event whenever there is a presence of visible sheen. Visible Sheen has been added as a parameter with no presence as a discharge limitation and a monitoring frequency of 1/day when discharging. The monitoring frequency for pH has been changed from 1/month if a visible sheen is present to 1/month.

7. COMPLIANCE HISTORY/COMMENTS

- A. DMR Review/Excursions – DMRs for the period of January 2007 to December 2009 were reviewed. The following excursions were found:

| Date | Parameter | Outfall | Reported Value | | Permit Limits | |
|-------------|----------------|---------|-----------------|--------------------------------------|-----------------|----------------------------------|
| | | | Monthly Average | Daily Maximum | Monthly Average | Daily Maximum |
| 03/2007 | Oil & Grease | 002 | --- | 28 mg/L | --- | 15 mg/L |
| 01/08-06/08 | Fecal Coliform | 008 | --- | 1710 colonies/100 mL (weekly avg) | --- | 400 colonies/100 mL (weekly avg) |
| 01/2009 | TOC | 004 | --- | 84 mg/L | --- | 50 mg/L |
| 01/09-06/09 | Fecal Coliform | 008 | --- | >6,000 colonies /100 mL (weekly avg) | --- | 400 colonies/100 mL (weekly avg) |
| 01/09-06/09 | Fecal Coliform | 009 | --- | >6,000 colonies /100 mL (weekly avg) | --- | 400 colonies/100 mL (weekly avg) |
| 01/09-06/09 | Fecal Coliform | 010 | --- | >6,000 colonies /100 mL (weekly avg) | --- | 400 colonies/100 mL (weekly avg) |

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B. Facility Inspection:

Date Performed: September 2, 2009

Inspector: Robert Braud

Areas of Concern: Facility had four discharges that exceeded permitted limits. Subsequent samples showed problem corrected and within limits - NOCD Issued.

C. Enforcement Actions –

A review of records from January 2007 to December 2009 yielded the following:

Air: no open Enforcement Actions

Hazardous Waste: no open Enforcement Actions

Solid Waste: no open Enforcement Actions

Water: no open Enforcement Actions

8. EXISTING EFFLUENT LIMITS

Outfall 001 – the discharge of treated petroleum product barge and boat washwater, rainwater from oil and oil product containment chambers, and wastewater from oil/water separator

| Effluent Characteristic | Monthly Average (mg/L) | Daily Maximum (mg/L) | Frequency |
|--------------------------------|---------------------------|-------------------------|-----------|
| Flow – MGD | Report | Report | 1/batch |
| TSS | 30.6 | 74.1 | 1/batch |
| COD | 250 | 400 | 1/batch |
| Oil & Grease | 15 | 15 | 1/batch |
| pH (standard units) | 6.0 (Min) (*1) | 9.0 (Max) (*1) | 1/batch |
| Total Antimony | 0.141 | 0.237 | 1/batch |
| Total Arsenic | 1.33 | 2.95 | 1/batch |
| Total Barium | 0.281 | 0.427 | 1/batch |
| Total Cadmium | 0.0102 | 0.0172 | 1/batch |
| Total Chromium | 0.323 | 0.746 | 1/batch |
| Total Cobalt | 18.8 | 56.4 | 1/batch |
| Total Copper | 0.242 | 0.500 | 1/batch |
| Total Lead | 0.150 | 0.150 | 1/batch |
| Total Mercury | 0.00647 | 0.0172 | 1/batch |
| Total Molybdenum | 2.09 | 3.50 | 1/batch |
| Total Tin | 0.165 | 0.335 | 1/batch |
| Total Titanium | 0.0299 | 0.0510 | 1/batch |
| Total Zinc | 4.50 | 8.26 | 1/batch |
| Total Phenols | --- | 0.500 | 1/batch |
| Bis(2-ethylhexyl) phthalate | 0.101 | 0.215 | 1/batch |
| Butylbenzyl Phthalate | 0.0887 | 0.188 | 1/batch |
| Carbazole | 0.276 | 0.598 | 1/batch |
| n-Decane | 0.437 | 0.948 | 1/batch |
| Fluoranthene | 0.0268 | 0.0537 | 1/batch |
| n-Octadecane | 0.302 | 0.589 | 1/batch |
| Benzene | --- | (*2) | 1/batch |

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| | | | |
|--------------|-----|------|---------|
| Ethylbenzene | --- | (*2) | 1/batch |
| Toluene | --- | (*2) | 1/batch |
| Total Xylene | --- | (*2) | 1/batch |

(*1) The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured.

(*2) The sum of the highest three (3) effluent characteristics in any sample shall not exceed 0.3 mg/L (daily maximum). Report individual component results and total of highest three (3) components.

Outfall 002 – the discharge of vacuum pump seal water and boiler blowdown

| Effluent Characteristic | Monthly Average (mg/L) | Daily Maximum (mg/L) | Frequency |
|-------------------------|------------------------|----------------------|-----------|
| Flow – MGD | Report | Report | 1/week |
| COD | --- | 250 | 1/month |
| Oil & Grease | --- | 15 | 1/month |
| pH (standard units) | 6.0 (Min) (*1) | 9.0 (Max) (*1) | 1/month |

(*1) The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured.

Outfall 003 – the discharge of stormwater runoff from the north side of the site

| Effluent Characteristic | Monthly Average (mg/L) | Daily Maximum (mg/L) | Frequency (*1) |
|-------------------------|------------------------|----------------------|----------------|
| Flow – MGD | Report | Report | 1/month |
| TOC | --- | 50 | 1/month |
| Oil & Grease | --- | 15 | 1/month |
| pH (standard units) | 6.0 (Min) (*2) | 9.0 (Max) (*2) | 1/month |

(*1) When discharging.

(*2) The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured.

Outfall 004 – the discharge of stormwater runoff from the south side of the site

| Effluent Characteristic | Monthly Average (mg/L) | Daily Maximum (mg/L) | Frequency (*1) |
|-------------------------|------------------------|----------------------|----------------|
| Flow – MGD | Report | Report | 1/month |
| TOC | --- | 50 | 1/month |
| Oil & Grease | --- | 15 | 1/month |
| pH (standard units) | 6.0 (Min) (*2) | 9.0 (Max) (*2) | 1/month |

(*1) When discharging.

(*2) The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured.

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Outfall 005 – the discharge of steam jet educator startup overflow #1

| Effluent Characteristic | Monthly Average (mg/L) | Daily Maximum (mg/L) | Frequency (*1) |
|-------------------------|---------------------------|-------------------------|----------------|
| Flow – MGD | Report | Report | 1/month |
| pH (standard units) | 6.0 (Min) (*2) | 9.0 (Max) (*2) | 1/month |

(*1) When discharging.

(*2) The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured.

Outfall 006 – the discharge of steam jet educator startup overflow #2

| Effluent Characteristic | Monthly Average (mg/L) | Daily Maximum (mg/L) | Frequency (*1) |
|-------------------------|---------------------------|-------------------------|----------------|
| Flow – MGD | Report | Report | 1/month |
| pH (standard units) | 6.0 (Min) (*2) | 9.0 (Max) (*2) | 1/month |

(*1) When discharging.

(*2) The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured.

Outfall 007 – the discharge of steam jet educator startup overflow #3

| Effluent Characteristic | Monthly Average (mg/L) | Daily Maximum (mg/L) | Frequency (*1) |
|-------------------------|---------------------------|-------------------------|----------------|
| Flow – MGD | Report | Report | 1/month |
| pH (standard units) | 6.0 (Min) (*2) | 9.0 (Max) (*2) | 1/month |

(*1) When discharging.

(*2) The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured.

Outfall 008 – the discharge of treated sanitary wastewater

| Effluent Characteristic | Weekly Average (mg/L) | Daily Maximum (mg/L) | Frequency |
|-------------------------------------|--------------------------|-------------------------|------------|
| Flow – MGD | Report | Report | 1/6 months |
| BOD ₅ | --- | 45 | 1/6 months |
| TSS | --- | 45 | 1/6 months |
| Fecal Coliform colonies/100 mL (*1) | --- | 400 | 1/6 months |
| pH (standard units) | 6.0 (Min) (*2) | 9.0 (Max) (*2) | 1/6 months |

(*1) Future water quality studies may indicate potential toxicity from the presence of residual chlorine in the treatment facility's effluent. Therefore, the permittee is hereby advised that a future Total Residual Chlorine Limit may be required if chlorine is used as a method of disinfection. In many cases, this becomes a NO MEASURABLE Total Residual Chlorine Limit.

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- (*2) The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured.

Outfall 009 – the discharge of treated sanitary wastewater

| Effluent Characteristic | Weekly Average (mg/L) | Daily Maximum (mg/L) | Frequency |
|-------------------------------------|-----------------------|----------------------|------------|
| Flow – MGD | Report | Report | 1/6 months |
| BOD ₅ | --- | 45 | 1/6 months |
| TSS | --- | 45 | 1/6 months |
| Fecal Coliform colonies/100 mL (*1) | --- | 400 | 1/6 months |
| pH (standard units) | 6.0 (Min) (*2) | 9.0 (Max) (*2) | 1/6 months |

- (*1) Future water quality studies may indicate potential toxicity from the presence of residual chlorine in the treatment facility's effluent. Therefore, the permittee is hereby advised that a future Total Residual Chlorine Limit may be required if chlorine is used as a method of disinfection. In many cases, this becomes a NO MEASURABLE Total Residual Chlorine Limit.
- (*2) The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured.

Outfall 010 – the discharge of treated sanitary wastewater

| Effluent Characteristic | Weekly Average (mg/L) | Daily Maximum (mg/L) | Frequency |
|-------------------------------------|-----------------------|----------------------|------------|
| Flow – MGD | Report | Report | 1/6 months |
| BOD ₅ | --- | 45 | 1/6 months |
| TSS | --- | 45 | 1/6 months |
| Fecal Coliform colonies/100 mL (*1) | --- | 400 | 1/6 months |
| pH (standard units) | 6.0 (Min) (*2) | 9.0 (Max) (*2) | 1/6 months |

- (*1) Future water quality studies may indicate potential toxicity from the presence of residual chlorine in the treatment facility's effluent. Therefore, the permittee is hereby advised that a future Total Residual Chlorine Limit may be required if chlorine is used as a method of disinfection. In many cases, this becomes a NO MEASURABLE Total Residual Chlorine Limit.
- (*2) The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured.

Outfall 011A – the intermittent discharge of incoming ballast water from customer barges

Outfall 011B – the intermittent discharge of maintenance ballast water.

| Effluent Characteristic | Monthly Average (mg/L) | Daily Maximum (mg/L) | Frequency |
|-------------------------|------------------------|----------------------|-------------|
| Flow – MGD | Report | Report | 1/week (*1) |
| TOC | --- | 50 | 1/week (*1) |
| Oil & Grease | --- | 15 | 1/week (*1) |
| pH (standard units) | 6.0 (Min) (*2) | 9.0 (Max) (*2) | 1/week (*1) |

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- (*1) The measurement frequency for 011B for the discharge of maintenance ballast water shall be 1/month whenever sampling is required instead of 1/week as stated above.
- (*2) The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured.

9. ENDANGERED SPECIES

The receiving waterbody, Subsegment 120304 of the Terrebonne Basin is not listed in Section II.2 of the Implementation Strategy as requiring consultation with the U.S. Fish and Wildlife Service (FWS). This strategy was submitted with a letter dated January 5, 2010 from Rieck (FWS) to Nolan (LDEQ). Therefore, in accordance with the Memorandum of Understanding between the LDEQ and the FWS, no further informal (Section 7, Endangered Species Act) consultation is required. The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat. Therefore, the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat.

10. HISTORIC SITES

The discharge is from an existing facility location, which does not include an expansion on undisturbed soils. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the "Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits" no consultation with the Louisiana State Historic Preservation Officer is required.

11. TENTATIVE DETERMINATION

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to issue a permit for the discharge described in the application.

12. PUBLIC NOTICES

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

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Rationale for LeBeouf Bros. Towing, LLC d/b/a Bourg Dry Dock & Service Company

1. **Outfall 001** - the batch discharge of treated petroleum product barge and boat washwater, rainwater from oil and oil product containment chambers, and wastewater from oil/water separator.

| Pollutant | Limitation | | Reference |
|-----------------------------|------------------------|------------------------|---------------------------------------|
| | Monthly Avg | Daily Max | |
| | mg/L | | |
| Flow – MGD | Report | Report | LAC 33:IX.2701.1.1.b |
| TSS | 26 | 58 | 40 CFR 442, Subpart C (40 CFR 442.31) |
| COD | 250 | 400 | Current permit; BPJ |
| Oil & Grease | 15 | 15 | Current permit; BPJ |
| pH (standard units) | 6.0 (Min) ¹ | 9.0 (Max) ¹ | LAC 33:IX.1113.C.1. |
| Total Antimony | 0.141 | 0.237 | Current permit; BPJ |
| Total Arsenic | 1.33 | 2.95 | 40 CFR 437, Subpart B (40 CFR 437.21) |
| Total Barium | 0.281 | 0.427 | Current permit; BPJ |
| Total Cadmium | 0.0102 | 0.0172 | 40 CFR 437, Subpart B (40 CFR 437.21) |
| Total Chromium | --- | 0.420 | 40 CFR 442, Subpart C (40 CFR 442.31) |
| Total Cobalt | 18.8 | 56.4 | 40 CFR 437, Subpart B (40 CFR 437.21) |
| Total Copper | --- | 0.100 | 40 CFR 442, Subpart C (40 CFR 442.31) |
| Total Lead | 0.150 | 0.150 | Current permit; BPJ |
| Total Mercury | --- | 0.0013 | 40 CFR 442, Subpart C (40 CFR 442.31) |
| Total Molybdenum | 2.09 | 3.50 | Current permit; BPJ |
| Total Nickel | --- | 0.580 | 40 CFR 442, Subpart C (40 CFR 442.31) |
| Total Tin | 0.165 | 0.335 | 40 CFR 437, Subpart B (40 CFR 437.21) |
| Total Titanium | 0.0299 | 0.0510 | Current permit; BPJ |
| Total Zinc | 4.50 | 8.26 | 40 CFR 437, Subpart B (40 CFR 437.21) |
| Total Phenols | --- | 0.500 | Current permit; BPJ |
| Bis(2-ethylhexyl) phthalate | 0.101 | 0.215 | 40 CFR 437, Subpart B (40 CFR 437.21) |
| Butylbenzyl Phthalate | 0.0887 | 0.188 | 40 CFR 437, Subpart B (40 CFR 437.21) |
| Carbazole | 0.276 | 0.598 | 40 CFR 437, Subpart B (40 CFR 437.21) |
| n-Decane | 0.437 | 0.948 | 40 CFR 437, Subpart B (40 CFR 437.21) |
| Fluoranthene | 0.0268 | 0.0537 | 40 CFR 437, Subpart B (40 CFR 437.21) |
| n-Octadecane | 0.302 | 0.589 | 40 CFR 437, Subpart B (40 CFR 437.21) |
| Benzene | --- | (2) | Current permit; BPJ |
| Ethylbenzene | --- | (2) | Current permit; BPJ |
| Toluene | --- | (2) | Current permit; BPJ |
| Total Xylene | --- | (2) | Current permit; BPJ |

1. The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured.
2. The sum of the highest three (3) effluent characteristics in any sample shall not exceed 0.3 mg/L (daily maximum). Report individual component results and total of highest three (3) components.

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Flow: Established in accordance with LAC 33:IX.2701.1.1.b and retained from the current LPDES permit. The monitoring frequency of 1/batch has also been retained.

TSS: Daily maximum limitations have been established based upon 40 CFR 442, Subpart C, Tank Barges and Ocean/Sea Tankers Transporting Chemical and Petroleum Cargos (40 CFR 442.31). The monitoring frequency of 1/batch has been retained from the current LPDES permit.

COD: Daily maximum and monthly average limitations have been retained from the current LPDES permit. This parameter was initially established in the LPDES permit effective June 27, 1991 based on BPJ for similar discharges. The monitoring frequency of 1/batch has also been retained.

Oil & Grease: Daily maximum limitation has been retained from the current LPDES permit. The daily maximum limitation was initially established in the LPDES permit effective June 26, 1991 based on BPJ for similar discharges. The monthly average limitation was initially established in the current LPDES permit due to the receiving waterbody being listed on the 303 (d) list as being impaired for oil and grease and has been retained. The monitoring frequency of 1/batch has also been retained.

pH: Established in accordance with LAC 33:IX.1113.C.1 and retained from the current LPDES permit. The monitoring frequency of 1/batch has also been retained.

Total Arsenic, Total Cadmium, Total Cobalt, Total Tin, and Total Zinc, Bis(2-ethylhexyl phthalate), Carbazole, n-Decane, Fluoranthene, and n-Octadecane: Daily maximum and monthly average limitations have been established based upon 40 CFR 437, Subpart B, Oils Treatment and Recovery (40 CFR 437.21) and retained from the current LPDES permit. The monitoring frequency of 1/batch has also been retained.

Total Antimony, Total Barium, Total Molybdenum, and Total Titanium: Daily maximum and monthly average limitations have been retained from the current LPDES permit based on BPJ. The monitoring frequency of 1/batch has also been retained.

Total Chromium, Total Copper, Total Mercury, and Total Nickel: Daily maximum limitations have been established based upon 40 CFR 442, Subpart C, Tank Barges and Ocean/Sea Tankers Transporting Chemical and Petroleum Cargos (40 CFR 442.31). The monitoring frequency of 1/batch has been retained from the current LPDES permit.

Total Lead: Daily maximum and monthly average limitations have been retained from the current LPDES permit. The daily maximum limitation was initially established in the LPDES permit effective July 28, 1997. The February 6, 1997 Statement of Basis states, "A lead limit was added to the permit in accordance with current permitting practices for this type wastestream". The monthly average limitation was initially established in the current LPDES permit due to the receiving waterbody being listed on the 303 (d) list as being impaired for metals. The monitoring frequency of 1/batch has also been retained.

Total Phenols: Daily maximum limitation has been retained from the current LPDES permit. This parameter was initially established in the LPDES permit effective July 28, 1997 based on "existing permits for similar outfalls." The monitoring frequency of 1/batch has also been retained.

Benzene, Ethylbenzene, Toluene, and Total Xylene: Parameters have been established based loosely on the Hydrostatic Test General Permit (LAG670000) and have been retained from the current permit. Monitoring requirements have been established based on BPJ due to the discharge of petroleum barge and boat washwater and retained from the current LPDES permit. The monitoring frequency of 1/batch has also been retained.

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2. **Outfall 002** - the intermittent discharge of vacuum pump seal water and boiler blowdown

| Pollutant | Limitation | | Reference |
|--------------|------------------------|------------------------|----------------------|
| | Monthly Avg | Daily Max | |
| | mg/L | | |
| Flow - MGD | Report | Report | LAC 33:IX.2701.1.1.b |
| COD | --- | 250 | Current Permit; BPJ |
| Oil & Grease | --- | 15 | Current Permit; BPJ |
| pH, s.u. | 6.0 (min) ¹ | 9.0 (max) ¹ | LAC 33:IX.1113.C.1. |

1. The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured.

Flow: Established in accordance with LAC 33:IX.2701.1.1.b and retained from the current LPDES permit. The monitoring frequency of 1/week has also been retained.

COD: Daily maximum limitation initially established in the June 27, 1991 LPDES permit based on the discharge of vacuum pump seal water has been retained from the current LPDES permit. The monitoring frequency of 1/month has also been retained.

Oil & Grease: Daily maximum limitation initially established in the June 27, 1991 LPDES permit based on the discharge of vacuum pump seal water and boiler blowdown has been retained from the current LPDES permit. The monitoring frequency of 1/month has also been retained.

pH: Established in accordance with LAC 33:IX.1113.C.1 and retained from the current LPDES permit. The monitoring frequency of 1/month has also been retained.

3. **Outfall 003** – the intermittent discharge of stormwater runoff from the north side of the site and treated sanitary wastewater from Internal Outfall 010.

| Pollutant | Limitation | | Reference |
|--------------|------------------------|------------------------|--------------------------------|
| | Monthly Avg | Daily Max | |
| | mg/L | | |
| Flow - MGD | Report | Report | LAC 33:IX.2701.1.1.b |
| TOC | --- | 50 | BPJ; MSGP; Stormwater Guidance |
| Oil & Grease | --- | 15 | BPJ; MSGP; Stormwater Guidance |
| pH, s.u. | 6.0 (min) ¹ | 9.0 (max) ¹ | LAC 33:IX.1113.C.1. |

1. The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured.

Flow: Established in accordance with LAC 33:IX.2701.1.1.b and retained from the current LPDES permit. The monitoring frequency of 1/month has also been retained.

TOC and Oil & Grease: Daily maximum limitations have been established in accordance with the requirements of Sector R of the Multi-Sector General Permit for Industrial Stormwater Discharges. These requirements are consistent with this Office's guidance on stormwater, a letter dated 06/17/1987 from J. Dale Givens (LDEQ) to Myron Knudson (EPA Region 6) and retained from the current LPDES permit. The monitoring frequency of 1/month has also been retained.

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pH: Established in accordance with LAC 33:IX.1113.C.1 and retained from the current LPDES permit. The monitoring frequency of 1/month has also been retained.

4. **Outfall 004** – the intermittent discharge of stormwater runoff from the south side of the site and treated sanitary wastewater from Internal Outfalls 008, 009, 012, 013, and 016

| Pollutant | Limitation | | Reference |
|--------------|------------------------|------------------------|--------------------------------|
| | Monthly Avg | Daily Max | |
| | mg/L | | |
| Flow - MGD | Report | Report | LAC 33:IX.2701.I.1.b |
| TOC | --- | 50 | BPJ; MSGP; Stormwater Guidance |
| Oil & Grease | --- | 15 | BPJ; MSGP; Stormwater Guidance |
| pH, s.u. | 6.0 (min) ¹ | 9.0 (max) ¹ | LAC 33:IX.1113.C.1. |

1. The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured.

Flow: Established in accordance with LAC 33:IX.2701.I.1.b and retained from the current LPDES permit. The monitoring frequency of 1/month has also been retained.

TOC and Oil & Grease: Daily maximum limitations have been established in accordance with the requirements of Sector R of the Multi-Sector General Permit for Industrial Stormwater Discharges. These requirements are consistent with this Office's guidance on stormwater, a letter dated 06/17/1987 from J. Dale Givens (LDEQ) to Myron Knudson (EPA Region 6) and retained from the current LPDES permit. The monitoring frequency of 1/month has also been retained.

pH: Established in accordance with LAC 33:IX.1113.C.1 and retained from the current LPDES permit. The monitoring frequency of 1/month has also been retained.

5. **Internal Outfall 008:** the intermittent discharge of treated sanitary wastewater from the south fabrication shop.

| Pollutant | Limitation | | Reference |
|--------------------------------|-------------|---------------|----------------------|
| | Monthly Avg | Daily Max (*) | |
| | mg/L | | |
| Flow - MGD | Report | Report | LAC 33:IX.2701.I.1.b |
| BOD ₅ | 30 | 45 | BPJ and LAG530000 |
| TSS | 30 | 45 | BPJ and LAG530000 |
| Fecal Coliform colonies/100 ml | 200 | 400 | BPJ and LAG530000 |

* The statistical basis for all parameters at this outfall has been changed to a daily maximum in lieu of a weekly average to be consistent with the new LDEQ guidance for sanitary wastewaters.

Flow: Established in accordance with LAC 33:IX.2701.I.1.b and retained from the current LPDES permit. The monitoring frequency of 1/6 months has also been retained.

BOD₅: Daily maximum limitation has been retained from the current LPDES permit. This limitation is consistent with the WLA assigned to this outfall in the TMDL and the LPDES Class I Sanitary Discharge General Permit (LAG530000), Schedule B. The monthly average limitation has been established in

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accordance with the LPDES Class I Sanitary Discharge General Permit (LAG530000), Schedule B. The monitoring frequency of 1/6 months has also been retained.

TSS: Daily maximum limitation has been established in accordance with the LPDES Class I Sanitary Discharge General Permit (LAG530000), Schedule B and retained from the current permit. The monthly average limitation has been established in accordance with the LPDES Class I Sanitary Discharge General Permit (LAG530000), Schedule B. The monitoring frequency of 1/6 months has been retained from the current LPDES permit.

Fecal Coliform: Daily maximum limitation has been established in accordance with the LPDES Class I Sanitary Discharge General Permit (LAG530000), Schedule B and retained from the current permit. The monthly average limitation has been established in accordance with the LPDES Class I Sanitary Discharge General Permit (LAG530000), Schedule B. The monitoring frequency of 1/6 months has been retained from the current LPDES permit.

6. **Internal Outfall 009** – the intermittent discharge of treated sanitary wastewater from the safety building.

| Pollutant | Limitation | | Reference |
|--------------------------------|--------------|---------------|----------------------|
| | Monthly Avg. | Daily Max (*) | |
| Flow - MGD | Report | Report | LAC 33:IX.2701.1.1.b |
| BOD ₅ | 30 | 45 | BPJ and LAG530000 |
| TSS | 30 | 45 | BPJ and LAG530000 |
| Fecal Coliform colonies/100 ml | 200 | 400 | BPJ and LAG530000 |

* The statistical basis for all parameters at this outfall has been changed to a daily maximum in lieu of a weekly average to be consistent with the new LDEQ guidance for sanitary wastewaters.

Flow: Established in accordance with LAC 33:IX.2701.1.1.b and retained from the current LPDES permit. The monitoring frequency of 1/6 months has also been retained.

BOD₅: Daily maximum limitation has been retained from the current LPDES permit. This limitation is consistent with the WLA assigned to this outfall in the TMDL and the LPDES Class I Sanitary Discharge General Permit (LAG530000), Schedule B. The monthly average limitation has been established in accordance with the LPDES Class I Sanitary Discharge General Permit (LAG530000), Schedule B. The monitoring frequency of 1/6 months has also been retained.

TSS: Daily maximum limitation has been established in accordance with the LPDES Class I Sanitary Discharge General Permit (LAG530000), Schedule B and retained from the current permit. The monthly average limitation has been established in accordance with the LPDES Class I Sanitary Discharge General Permit (LAG530000), Schedule B. The monitoring frequency of 1/6 months has also been retained.

Fecal Coliform: Daily maximum limitation has been established in accordance with the LPDES Class I Sanitary Discharge General Permit (LAG530000), Schedule B and retained from the current permit. The monthly average limitation has been established in accordance with the LPDES Class I Sanitary Discharge General Permit (LAG530000), Schedule B. The monitoring frequency of 1/6 months has also been retained.

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7. **Internal Outfall 010** – the intermittent discharge of treated sanitary wastewater from the north fabrication shop.

| Pollutant | Limitation | | Reference |
|-------------------------------|-------------|---------------|----------------------|
| | Monthly Avg | Daily Max (*) | |
| | mg/L | | |
| Flow - MGD | Report | Report | LAC 33:IX.2701.I.1.b |
| BOD ₅ | 30 | 45 | BPJ and LAG530000 |
| TSS | 30 | 45 | BPJ and LAG530000 |
| Fecal Coliform colonies/100ml | 200 | 400 | BPJ and LAG530000 |

* The statistical basis for all parameters at this outfall has been changed to a daily maximum in lieu of a weekly average to be consistent with the new LDEQ guidance for sanitary wastewaters.

Flow: Established in accordance with LAC 33:IX.2701.I.1.b and retained from the current LPDES permit. The monitoring frequency of 1/6 months has also been retained.

BOD₅: Daily maximum limitation has been retained from the current LPDES permit. This limitation is consistent with the WLA assigned to this outfall in the TMDL and the LPDES Class I Sanitary Discharge General Permit (LAG530000), Schedule B. The monthly average limitation has been established in accordance with the LPDES Class I Sanitary Discharge General Permit (LAG530000), Schedule B. The monitoring frequency of 1/6 months has also been retained.

TSS: Daily maximum limitation has been established in accordance with the LPDES Class I Sanitary Discharge General Permit (LAG530000), Schedule B and retained from the current permit. The monthly average limitation has been established in accordance with the LPDES Class I Sanitary Discharge General Permit (LAG530000), Schedule B. The monitoring frequency of 1/6 months has also been retained.

Fecal Coliform: Daily maximum limitation has been established in accordance with the LPDES Class I Sanitary Discharge General Permit (LAG530000), Schedule B and retained from the current permit. The monthly average limitation has been established in accordance with the LPDES Class I Sanitary Discharge General Permit (LAG530000), Schedule B. The monitoring frequency of 1/6 months has also been retained.

8. **Outfall 011A** – the intermittent discharge of incoming ballast water and void water.

| Pollutant | Limitation | | Reference |
|--------------|------------------------|------------------------|-------------------------------------|
| | Monthly Avg | Daily Max | |
| | mg/L | | |
| Flow, MGD | Report | Report | LAC 33:IX.2707.I.1.b. |
| COD | --- | 250 | BPJ; Similar discharges (LA0108944) |
| Oil & Grease | --- | 15 | BPJ; Similar discharges (LA0108944) |
| pH, s.u. | 6.0 (min) ¹ | 9.0 (max) ¹ | LAC 33:IX.1113.C.1. |

1. The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured.

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Flow: Established in accordance with LAC 33:IX.2707.1.1.b. The monitoring frequency of 1/week has been retained from the current LPDES permit.

COD and Oil & Grease: Daily Maximum limitations and monitoring frequency of 1/week have been retained from the current LPDES permit and are based on BPJ for similar discharges (Marmac, L.L.C., Belle Chasse Repair Yard, LA0108944, AI 42404).

pH: Established in accordance with LAC 33:IX.1113.C.1. The monitoring frequency of 1/week has been retained from the current LPDES permit.

9. **Outfall 011B** – the intermittent discharge of facility ballast water, dry dock ballast water, and void water.

| Pollutant | Limitation | | Reference |
|----------------------------|------------------------|------------------------|-------------------------------------|
| | Monthly Avg | Daily Max | |
| | mg/L | | |
| Flow - MGD | Report | Report | LAC 33:IX.2701.1.1.b |
| COD ¹ | --- | 250 | BPJ; Similar discharges (LA0108944) |
| Oil & Grease ¹ | --- | 15 | BPJ; Similar discharges (LA0108944) |
| Visible Sheen ² | --- | No presence | BPJ; Similar discharges (LA0108944) |
| pH, s.u. | 6.0 (min) ³ | 9.0 (max) ³ | LAC 33:IX.1113.C.1. |

1. Discharge shall be sampled whenever there is a presence of a visible sheen.
2. When discharging.
3. The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured.

Flow: Established in accordance with LAC 33:IX.2707.1.1.b. The monitoring frequency has been changed from 1/month if a visible sheen is present to 1/event based on BPJ and current guidance for similar discharges.

COD and Oil & Grease: Daily Maximum limitations have been established based on BPJ and similar discharges (Marmac, L.L.C., Belle Chasse Repair Yard, LA0108944, AI 42404). The monitoring frequency has been changed from 1/month when sampling is required to 1/event whenever there is a presence of visible sheen based on BPJ and current guidance for similar discharges.

Visible Sheen: Daily maximum limitation of no presence and a monitoring frequency of 1/day, when discharging, have been established based on BPJ and similar discharges (Marmac, L.L.C., Belle Chasse Repair Yard, LA0108944, AI 42404).

pH: Established in accordance with LAC 33:IX.1113.C.1. The monitoring frequency has been changed from 1/month if a visible sheen is present to 1/month based on BPJ and current guidance for similar discharges.

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10. **Internal Outfall 012** – the intermittent discharge of treated sanitary wastewater from the LBT office.

| Pollutant | Limitation | | Reference |
|-------------------------------|-------------|-----------|----------------------|
| | Monthly Avg | Daily Max | |
| | mg/L | | |
| Flow - MGD | Report | Report | LAC 33:IX.2701.I.1.b |
| BOD ₅ | 30 | 45 | BPJ and LAG530000 |
| TSS | 30 | 45 | BPJ and LAG530000 |
| Fecal Coliform colonies/100ml | 200 | 400 | BPJ and LAG530000 |

Flow: Established in accordance with LAC 33:IX.2707.I.1.b. The monitoring frequency has been established at 1/6 months.

BOD₅ and TSS: Daily maximum limitation, monthly average limitation, and a monitoring frequency of 1/6 months have been established based upon the LPDES Class I Sanitary Discharge General Permit (LAG530000), Schedule B. The monitoring frequency has been established at 1/6 months.

Fecal Coliform: Daily maximum limitation, monthly average limitation, and a monitoring frequency of 1/6 months have been established based upon the LPDES Class I Sanitary Discharge General Permit (LAG530000), Schedule B.

11. **Internal Outfall 013** - the intermittent discharge of treated sanitary wastewater from the LBT office.

| Pollutant | Limitation | | Reference |
|-------------------------------|-------------|-----------|----------------------|
| | Monthly Avg | Daily Max | |
| | mg/L | | |
| Flow - MGD | Report | Report | LAC 33:IX.2701.I.1.b |
| BOD ₅ | 30 | 45 | BPJ and LAG530000 |
| TSS | 30 | 45 | BPJ and LAG530000 |
| Fecal Coliform colonies/100ml | 200 | 400 | BPJ and LAG530000 |

Flow: Established in accordance with LAC 33:IX.2707.I.1.b. The monitoring frequency has been established at 1/6 months.

BOD₅ and TSS: Daily maximum limitation, monthly average limitation, and a monitoring frequency of 1/6 months have been established based upon the LPDES Class I Sanitary Discharge General Permit (LAG530000), Schedule B. The monitoring frequency has been established at 1/6 months.

Fecal Coliform: Daily maximum limitation, monthly average limitation, and a monitoring frequency of 1/6 months have been established based upon the LPDES Class I Sanitary Discharge General Permit (LAG530000), Schedule B.

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12. **Outfall 014** – the intermittent discharge of treated sanitary wastewater from the effluent pipe near the gas free shop.

| Pollutant | Limitation | | Reference |
|-------------------------------|------------------------|------------------------|----------------------|
| | Monthly Avg | Daily Max | |
| | mg/L | | |
| Flow - MGD | Report | Report | LAC 33:IX.2701.1.1.b |
| BOD ₅ | 30 | 45 | BPJ and LAG530000 |
| TSS | 30 | 45 | BPJ and LAG530000 |
| Fecal Coliform colonies/100ml | 200 | 400 | BPJ and LAG530000 |
| pH, s.u. | 6.0 (min) ¹ | 9.0 (max) ¹ | LAC 33:IX.1113.C.1. |

1. The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured.

Flow: Established in accordance with LAC 33:IX.2701.1.1.b. The monitoring frequency has been established at 1/6 months.

BOD₅ and TSS: Daily maximum limitation, monthly average limitation, and a monitoring frequency of 1/6 months have been established based upon the LPDES Class I Sanitary Discharge General Permit (LAG530000), Schedule B. The monitoring frequency has been established at 1/6 months.

Fecal Coliform: Daily maximum limitation, monthly average limitation, and a monitoring frequency of 1/6 months have been established based upon the LPDES Class I Sanitary Discharge General Permit (LAG530000), Schedule B.

pH: Established in accordance with LAC 33:IX.1113.C.1. The monitoring frequency has been established at 1/6 months based upon the LPDES Class I Sanitary Discharge General Permit (LAG530000), Schedule B.

13. **Outfall 015** – the intermittent discharge of stormwater runoff from the northwest corner of the property.

| Pollutant | Limitation | | Reference |
|--------------|------------------------|------------------------|--------------------------------|
| | Monthly Avg | Daily Max | |
| | mg/L | | |
| Flow - MGD | Report | Report | LAC 33:IX.2701.1.1.b |
| TOC | --- | 50 | BPJ; MSGP; Stormwater Guidance |
| Oil & Grease | --- | 15 | BPJ; MSGP; Stormwater Guidance |
| pH, s.u. | 6.0 (min) ¹ | 9.0 (max) ¹ | LAC 33:IX.1113.C.1. |

1. The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured.

Flow: Established in accordance with LAC 33:IX.2701.1.1.b. The monitoring frequency has been established at 1/month to be consistent with other stormwater outfalls at this facility.

TOC and Oil & Grease: Daily maximum limitations have been established in accordance with the requirements of Sector R of the Multi-Sector General Permit for Industrial Stormwater Discharges. These

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requirements are consistent with this Office's guidance on stormwater, a letter dated 06/17/1987 from J. Dale Givens (LDEQ) to Myron Knudson (EPA Region 6). The monitoring frequency has been established at 1/month to be consistent with other stormwater outfalls at this facility.

pH: Established in accordance with LAC 33:IX.1113.C.1. The monitoring frequency has been established at 1/month to be consistent with other stormwater outfalls at this facility.

14. **Internal Outfall 016** – the intermittent discharge of treated sanitary wastewater from the guard shack.

| Pollutant | Limitation | | Reference |
|-------------------------------|-------------|-----------|----------------------|
| | Monthly Avg | Daily Max | |
| | mg/L | | |
| Flow - MGD | Report | Report | LAC 33:IX.2701.I.1.b |
| BOD ₅ | 30 | 45 | BPJ and LAG530000 |
| TSS | 30 | 45 | BPJ and LAG530000 |
| Fecal Coliform colonies/100ml | 200 | 400 | BPJ and LAG530000 |

Flow: Established in accordance with LAC 33:IX.2707.I.1.b. The monitoring frequency has been established at 1/6 months.

BOD₅ and TSS: Daily maximum limitation, monthly average limitation, and a monitoring frequency of 1/6 months have been established based upon the LPDES Class I Sanitary Discharge General Permit (LAG530000), Schedule B. The monitoring frequency has been established at 1/6 months.

Fecal Coliform: Daily maximum limitation, monthly average limitation, and a monitoring frequency of 1/6 months have been established based upon the LPDES Class I Sanitary Discharge General Permit (LAG530000), Schedule B.

Transportation Equipment Cleaning Guidelines

This facility is subject to Effluent Limitations Guidelines for Transportation Equipment Cleaning, 40 CFR Part 442, because, in accordance with 40 CFR 442.1.a, "this part applies to discharges resulting from cleaning the interior of tanks used to transport chemical, petroleum or food grade cargos." This facility cleans ship holds and/or the interior of tank barges containing chemicals, petroleum, and/or food grade cargos.

Storm Water Pollution Prevention Plan (SWP3) Requirement

A SWP3 is included in the permit because in accordance with LAC 33:IX.2511.A.1, storm water discharges shall not be required to obtain an LPDES permit "... except... discharges associated with industrial activity." In accordance with LAC 33:IX.2511.B.14.a-k, facilities classified as SIC code 4463, 3731, and 4953 are considered to have storm water discharges associated with industrial activity. In addition to the SWP3, the barge BMPs will be applied because barge BMPs are comparable to the SWP3 requirements.

For first time permit issuance, the SWP3 shall be prepared, implemented, and maintained within six (6) months of the effective date of the final permit. **For renewal permit issuance,** the SWP3 shall be reviewed and updated, if necessary, within six (6) months of the effective date of the final permit. The

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plan should identify potential sources of storm water pollution and ensure the implementation of practices to prevent and reduce pollutants in storm water discharges associated with industrial activity at the facility (see Part II of the permit).